

IN THE CLAIMS:

1. (Previously Presented) A snorkel device for a submarine having a pressure hull, wherein the snorkel device comprises:

a telescopically movable snorkel tube including a telescopically movable structure connected to an outside of said pressure hull for extending and retracting an end thereof;

5 an optical observation means connected to said snorkel tube, for above-water observation during submarine travel at periscope depth, wherein said optical observation means is formed as a compact unit which comprises an optronics unit and a short-travel drive; and

at least one further compact unit comprising at least one communications means and
10 another short-travel drive, and wherein optical observation means compact unit and communications means further compact unit are provided on said telescopically movable snorkel tube.

2. (Currently Amended) A snorkel device according to claim 1, wherein said optical observation means compact unit and said at least one further compact unit are provided on one of an outer side and an inner side of said snorkel tube, said snorkel tube being ~~able to be extended~~ extendable and ~~retracted~~ retractable.

3. (Previously Presented) A snorkel device according to claim 2, further comprising:

a common streamlined casing, wherein said optical observation means compact unit

and said at least one further compact unit are provided on said outer side of said snorkel tube and said common, streamlined casing is arranged around said snorkel tube and said compact units.

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4. (Previously Presented) A snorkel device according to claim 2, wherein said optical observation means compact unit and said at least one further compact unit are provided on said inner side of said snorkel tube; said snorkel tube itself being at least partly designed in a streamlined manner.

5. (Previously Presented) A snorkel device according to claim 1, wherein said short-travel drives of said optical observation means compact unit and said at least one further compact unit include hydraulic cylinder drives.

6. (Previously Presented) A snorkel device according to claim 2, wherein said short-travel drives of said optical observation means compact unit and said at least one further compact unit include hydraulic cylinder drives.

7. (Previously Presented) A snorkel device according to claim 3, wherein said short-travel drives of said optical observation means compact unit and said at least one further compact unit include hydraulic cylinder drives.

8. (Previously Presented) A snorkel device according to claim 4, wherein said short-travel drives of said optical observation means compact unit and said at least one further compact unit include hydraulic cylinder drives.

9. (Previously Presented) A snorkel device according to claim 1, wherein said communication means includes a radio unit for high frequency (HF), very high frequency (VHF), ultra high frequency (UHF) or UHF-satcom radio communication or a combination thereof.

10. (Previously Presented) A snorkel device according to claim 2, wherein said communication means includes a radio unit for HF, VHF, UHF or UHF-satcom radio communication or a combination thereof.

11. (Previously Presented) A snorkel device according to claim 3, wherein said communication means includes a radio unit for HF, VHF, UHF or UHF-satcom radio communication or a combination thereof.

12. (Previously Presented) A snorkel device according to claim 4, wherein said communication means includes a radio unit for HF, VHF, UHF or UHF-satcom radio communication or a combination thereof.

13. (Previously Presented) A snorkel device according to claim 5, wherein said communication means includes a radio unit for HF, VHF, UHF or UHF-satcom radio communication or a combination thereof.

14. (Previously Presented) A snorkel device according to claim 1, further comprising:

another compact unit including an information means driven in a short-travel manner, said information means including one of a GPS unit and an ESM unit.

15. (Previously Presented) A snorkel device according to claim 2, further comprising:

another compact unit including an information means driven in a short-travel manner, said information means including one of a GPS unit and an ESM unit.

16. (Previously Presented) A snorkel device according to claim 7, further comprising:

another compact unit including an information means driven in a short-travel manner, said information means including one of a GPS unit and an ESM unit.

17. (Previously Presented) A snorkel device according to claim 8, further comprising:

another compact unit including an information means driven in a short-travel manner, said information means including one of a GPS unit and an ESM unit.

18. (Previously Presented) A snorkel device according to claim 16, wherein said communication means includes a radio unit for HF, VHF, UHF or UHF-satcom radio communication or a combination thereof.

19. (Previously Presented) A snorkel device according to claim 17, wherein said communication means includes a radio unit for HF, VHF, UHF or UHF-satcom radio communication or a combination thereof.

20. (Previously Presented) A snorkel device for a submarine having a pressure hull having a pressure space, the device comprising:

a movable snorkel tube movably connected to the submarine pressure hull and movable away from the submarine, said snorkel tube mounted outside of said pressure space;

5 at least one stationary tube located within said snorkel tube in a non-operating position;

a vertical guiding rail;

a rail connected to bottom of said snorkel tube, said rail slidably mounted to said vertical guiding rail;

10 a driving means for engaging said rail, said rail telescopically extending said snorkel

tube relative to at least one stationary tube to an operating position;
an optical device connected to said snorkel tube in a retracted position, said optical device comprising an optronics short-travel drive connected to said snorkel tube for moving said optical device relative to said snorkel tube and an optronics unit for above-water observation during travel of the submarine at periscope depth, said optronics short-travel drive moving said optronics unit relative to said snorkel tube to an extended position with said optronics unit arranged beyond an end of said snorkel tube; and

a communication arrangement connected to said snorkel tube in another retracted position, said communication arrangement comprising a communications short-travel drive connected to said snorkel tube for moving said communications arrangement relative to said snorkel tube and a communications unit for above-water communication during travel of the submarine at periscope depth, said communications short-travel drive moving said communications unit relative to said snorkel tube to another extended position with said communications unit arranged beyond said end of said snorkel tube.

21. (Previously Presented) A snorkel device according to claim 20, wherein said optical device and said communication arrangement are retracted within said snorkel tube in a non-operating state.